

**Coimisiún na Scrúduithe Stáit**  
**State Examinations Commission**

**Junior Certificate 2012**

**Marking Scheme**

**Geography**

**Higher Level**

## Section 1 Folder

Allow 20 Questions @ 3 marks each = 60 marks

1. Award 3 marks to all candidates
2. 3 @ 1 mark each  
(i) Focus (ii) Tsunami (iii) Richter / Mercalli / MMS
3. 3 @ 1 mark each

|   |   |
|---|---|
| X | Y |
| A | 4 |
| B | 3 |
| C | 2 |
| D | 1 |

4. 3 @ 1 mark each  
(i) True (ii) False (iii) True
5. 1 @ 3 marks  
Baker, factory worker, cabinet maker, brewer
6. 3 @ 1 mark each  
(i) Warm (ii) Cold (iii) North Atlantic Drift
7. 1 @ 3 marks  
1,3,5
8. 3 @ 1 mark each  
Oxbow - C    Waterfall - D    Floodplain - A
- 9A. 1 @ 3 marks  
Tombolo, Spit, Bar

**Or**

- 9B. 1 @ 3 marks  
Eskers, moraines, drumlins
- 10A. 3 @ 1 mark each  
(i) True (ii) True (iii) False

**Or**

- 10B. 3 @ 1 mark each  
(i) 2007, (ii) 2008 (iii) 5.4M

11A. 1 @ 3 marks  
2,3,5

**Or**

11B. 3 @ 1 mark each  
A - Terraced B - Detached C – Semi-detached

12. 1 @ 3 marks  
Birth and death rates are high

13. 3 @ 1 mark each  
Cutting Silage, Milking, Ploughing

14. 3 @ 1 mark each  
Graph completed March to 8, June to 12, August to 14

15. 1 @ 3 marks  
2,4,5

16. 3 @ 1 mark each  
(i) Push (ii) Pull (iii) Pull

17. 1 @ 3 marks  
North West /NW

18. 3 @ 1 mark each

|   |          |
|---|----------|
| X | Y        |
| A | <b>2</b> |
| B | <b>3</b> |
| C | 4        |
| D | <b>1</b> |

19. 1 @ 3 marks  
Agricultural  
In the case of all candidates taking the Irish version only, award 3 marks

20. 1 @ 3 marks  
M 936/7 993/4

Please complete **The Folder Marking Grid** on front cover of the Folder and enter the **Folder Total Mark** on the **top right corner of the first page** of the candidate's script. Eg. **F 46**

## Section 2

Allow Three Questions @ 30 marks each = 90 marks

### Question 1. THE EARTH'S SURFACE AND OUR PLANET

**A. Rainfall** (10)

(i) Name the type of rainfall shown in the diagram above.  
**Type of rainfall named @ 2m**

(ii) Describe how this type of rainfall occurs.  
**Two explanations @ 4m each (St2 + D1 + D1)**

**B. Plate Tectonics – Volcanoes** (10)

(i) Name **one** example of a volcano.  
**Volcano named @ 2m**

(ii) With reference to the diagram above, explain how volcanoes occur.  
**Two explanations @ 4m each (St2 + D1 + D1) (One ref to diagram for 1 dev mark)**

**C. Weathering** (10)

With the aid of a labelled diagram(s), explain how frost action occurs.

**Labelled diagram 2m**

**Two explanations @ 4m each (St2 + D1 + D1)**

## Question 2. RIVERS AND NATURAL RESOURCES

### A. River Feature (10)

Name **one** feature formed by **river erosion** and explain with the aid of a labelled diagram, how it was formed.

**Feature named @ 1m**

**Diagram 1m**

**Two explanations of formation @ 4m each (St2 + D1 + D1)**

### B. Water Supplies (10)

(i) What is the term given to the artificial watering of crops as shown.

**Term named @ 1m**

(ii) Name **one** such scheme that you have studied.

**Scheme named @ 1m**

(iii) Explain **one** advantage of this scheme.

**One advantage @ 4m (St2 + D1 + D1)**

(iv) Explain **one** disadvantage of this scheme.

**One disadvantage @ 4m (St2 + D1 + D1)**

### C. Fishing (10)

(i) Name **two** Irish fishing ports.

**Two ports named @ 1m each**

(ii) Explain **two** reasons for overfishing.

**Two reasons @ 2m (St1 + D1)**

(iii) Describe **two** measures that can be used to conserve fish stocks.

**Two measures @ 2m each (St1 + D1)**

### Question 3. GEOGRAPHICAL MIX

Answer ANY THREE of the questions 3A, 3B, 3C, 3D.

#### 3A. Population Pyramids (10)

- (i) Name **one** country with a population structure similar to Pyramid A.  
**Country named @ 1m**
- (ii) Name **one** country with a population structure similar to Pyramid B.  
**Country named @ 1m**
- (iii) Explain **one** reason why Pyramid B has a wider base than Pyramid A.  
**One explanation @ 6m (St2 + D2 + D2)**
- (iv) Name **two** uses of population pyramids.  
**Two uses named @ 1m each**

#### 3B. Aerial Photograph (10)

Examine the aerial photograph accompanying this paper.

- (i) Using the correct terms (right background etc.) identify and locate a suitable site for an hotel.  
**Suitable site located @ 2m**
- (ii) Explain **two** reasons why this site would be a suitable location for an hotel.  
**Two reasons why suitable @ 4m each (St2 + D1 + D1)**

#### 3C. World Climates (10)

Examine the map which shows the location of three of the world's climatic regions.

- (i) Name the type of climate at each of the locations **A, B, and C**.  
**Three climates correctly named @ 1m each**
- (ii) Explain the characteristics of any **one** climate type that you have studied.  
**Climate named @ 1m**  
**Two characteristics @ 3m (St1 + D1 + D1)**

#### 3D. Energy (10)

- (i) Name **one** example of renewable energy.  
**Example named @ 1m**
- (ii) Explain any **two** physical (natural) factors that are required for the generation of energy using the renewable energy source named in part (i) above.  
**Two factors explained @ 3m each (St1 + D1 + D1)**
- (iii) Explain **one** advantage of renewable energy.  
**Advantage explained @ 3m (St1 + D1 + D1)**

**Question 4. URBANISATION, ECONOMIC ACTIVITY AND DEVELOPMENT**

**A. World Cities (10)**

- (i) Name **one** city with a high population density that you have studied.  
**City named @ 2m**
- (ii) Describe and explain **two** problems experienced as a result of the high population density, in the city named in part (i) above.  
**Two problems described and explained @ 4m each (St2 + D1 + D1)**

**B. Industrial Activity (10)**

- (i) Explain **one** impact of industrial activity on the environment.  
**One explanation @ 5m (St2 + D1 + D1 + D1, can be example)**
- (ii) Explain how the role of women in industry has changed over time.  
**One explanation @ 5m (St2 + D1 + D1 + D1, can be example)**

**C. Unequal World (10)**

‘Levels of economic development are unequal throughout the world.’

- (i) Explain **three** reasons why the level of economic development is lower in the ‘south’.  
**Three explanations: Two @ 3m each (St2 + D1) One @ 2m (St1 + D1)**
- (ii) Name two ways in which this can be addressed  
**Two ways @ 1m each**

**Question 5. AERIAL PHOTOGRAPH AND ORDNANCE SURVEY MAP**

**A.** Examine the **ORDNANCE SURVEY MAP** provided. (10)

Draw a sketch map of the area shown on the Ordnance Survey map.  
On your sketch map **show** and **label** each of the following features:

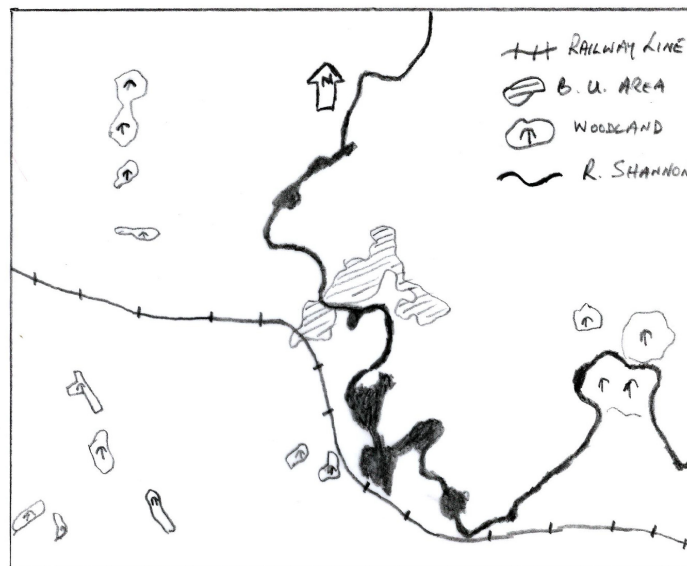
- The railway line
- The built up area of Carrick-on-Shannon
- An area of natural woodland
- The River Shannon.

A printing error in the legend of the Ordnance Survey map resulted in the omission of the forestry symbols which may have affected candidate answering. The marking scheme allows for this as follows:

**Natural woodland shown and named award all candidates 2m**  
**Three other features shown and named @ 2m each**

**Shape and Orientation @ 2m (1+1)**

*Sketch illustrative only*





**B.** ‘The area shown on the Ordnance Survey map has a long history of settlement.’ (8)

Name, locate and explain, using six-figure grid references, any **two** examples of historic settlement on the map.

**Two examples named, located and explained @ 4m each (N1+ GRef 1 + Exp 1+1)**

**C.** With reference to the **ORDNANCE SURVEY MAP** and **AERIAL PHOTOGRAPH** provided, explain **three** reasons why Carrick-On-Shannon (and the surrounding area on the map) is an important tourist destination (12)

**Three reasons @ 4m each (St1 + D1 + D1 + Map/Photo Ev1)**

Map: Photo 2:1 or 1:2

## FOLDER SUMMARY MARK SHEET

|                                                                            |       |
|----------------------------------------------------------------------------|-------|
| 1. Award all candidates 3 marks                                            | 3     |
| 2. Focus, Tsunami, Richter / Mercalli                                      | 1+1+1 |
| 3. 4,3,2                                                                   | 1+1+1 |
| 4. True, False, True                                                       | 1+1+1 |
| 5. Baker, Factory worker, cabinet maker, brewer                            | 3     |
| 6. Warm, Cold, North Atlantic Drift                                        | 1+1+1 |
| 7. 1,3,5                                                                   | 3     |
| 8. C, D, A                                                                 | 1+1+1 |
| 9A. Tombolo, spit, bar                                                     | 3     |
| Or                                                                         |       |
| 9B. Eskers, moraines, drumlins                                             | 3     |
| 10A. True, True, False                                                     | 1+1+1 |
| Or                                                                         |       |
| 10B. 2007, 2008, 5.4m                                                      | 1+1+1 |
| 11.A. 2,3,5                                                                | 3     |
| Or                                                                         |       |
| 11B. Terraced, Detached, Semi detached                                     | 1+1+1 |
| 12. Birth and death rates are high                                         | 3     |
| 13. Cutting silage, Milking, Ploughing                                     | 1+1+1 |
| 14. Graph Mar 8 Jun12 Aug14                                                | 1+1+1 |
| 15. 2, 4, 5                                                                | 3     |
| 16. Push, Pull, Pull                                                       | 1+1+1 |
| 17. NW                                                                     | 3     |
| 18. 2, 3, 1                                                                | 1+1+1 |
| 19. Agricultural                                                           | 3     |
| In the case of all candidates taking the Irish version only, award 3 marks |       |
| 20. M 936/7 993/4                                                          | 3     |

### Summary Marking Scheme

#### Question 1. **THE EARTH'S SURFACE and OUR PLANET**

- A. (i) Type @ 2m  
(ii) Two explanations @ 4m (St2 + D1 + D1)
- B. (i) Name @ 2m  
(ii) Two explanations @ 4m (St2 + D1 + D1)
- C. (i) Diagram/Label 1+1  
(ii) Two explanations @ 4 m (St2 + D1 + D1)

#### Q.2. RIVERS & NATURAL RESOURCES

- A. Named/Diagram 1+1  
Two explanations @ 4m (St2 +D1 + D1)
- B. (i) Term named @ 1m  
(ii) Scheme named @ 1m  
(iii) One advantage @ 4m (St2 + D1 + D1)  
(iv) One disadvantage @ 4m (St2 + D1 + D1)
- C. (i) Two ports @ 1m each  
(ii) Two reasons @ 2m (St1 + D1)  
(iii) Two measures @ 2m (St1 + D1)

#### Question 3. **GEOGRAPHICAL MIX** Answer **three** of the following questions **A, B, C** and **D**.

- A. Pop Pyramids (i) Country A Named @ 1m  
(ii) Country B Named @ 1m  
(iii) One explanation @ 6m each (St2 + D2 + D2)  
(iv) Two uses @ 1m each
- B. Aerial Photo (i) Site loc @ 2m  
(ii) Two reasons @ 4m (St2 + D1 + D1)
- C. World Climates (i) Climates named 1+1+1  
(ii) Climate Id @ 1m Two Characteristics @ 3m (St1 + D1 + D1)
- D. Energy (i) Named @ 1m  
(ii) Two factors @ 3m (St1 + D1 + D1)  
(iii) One advantage @ 3m (St1 + D1 + D1)

#### Question 4. **ECONOMIC ACTIVITY and DEVELOPMENT**

- A. (i) City Named @ 2m  
(ii) Two problems des / exp @ 4m (St2 + D1 + D1)
- B. (i) One explanation @ 5m (St2 + D1 + D1 + D1)  
(ii) One explanation @ 5m (St2 + D1 + D1 + D1)
- C. (i) Three explanations Two @ 3m (St2 + D1) One @ 2m (St1 + D1)  
(ii) Two ways @ 1m each

#### Question 5. **AERIAL PHOTO & ORDNANCE SURVEY MAP**

- A. Frame / Orientation @ 2m (1+1) Forestry shown and named award all 2 marks, Three features @ 2mks
- B. Two named, located, explained @ 4m each (N1 + GR1 + Exp 1 + 1))
- C. Three reasons @ 4m (St1 + D1 + D1 + Ev1)